

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(discharge near2 ports). clm. and (spiral or zigzag or radially).clm. and 429/12-46.ccls.	US-PGPUB; USPAT	OR	ON	2010/03/04 12:30
S1	0	"2002203588"	US-PGPUB; USPAT	OR	ON	2009/04/09 16:57
S2	0	"2002203588".pn.	US-PGPUB; USPAT	OR	ON	2009/04/09 16:57
S3	1	"2002203588"	US-PGPUB; USPAT; JPO	OR	ON	2009/04/09 17:15
S4	2	"2002203588"	JPO; DERWENT	OR	ON	2009/06/25 14:06
S5	2	"2002305005"	JPO; DERWENT	OR	ON	2009/06/25 14:07
S6	1	"5975575"	JPO; DERWENT	OR	ON	2009/06/25 14:08
S7	84	(429/34.ccls. or 429/38. ccls. or 429/39.ccls.) and ((circular or round or disk or disc) near5 separator)	US-PGPUB; USPAT	OR	ON	2009/06/25 14:54
S8	1	"20050221161"	DERWENT	OR	ON	2009/06/25 14:59
S9	0	((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani. in.) or (norikazu near2 komada).in.)	DERWENT	OR	ON	2009/06/25 15:08

S10	564	((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.)	US-PGPUB; USPAT	OR	ON	2009/06/25 15:08
S11	10	((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) and (429/34.ccls. or 429/38.ccls. or 429/39.ccls.)	US-PGPUB; USPAT	OR	ON	2009/06/25 15:08
S12	2	"03075384"	DERWENT	OR	ON	2009/06/25 17:57
S13	16	(429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and ((concentric near2 circles) near5 separator)	US-PGPUB; USPAT	OR	ON	2009/06/26 10:25
S14	1	"20050142423"	DERWENT	OR	ON	2009/06/26 10:47
S15	1	"US 7544432"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2009/06/26 10:50
S16	2	"2003431975"	JPO; DERWENT	OR	OFF	2009/06/26 10:51
S17	1	"20030134174"	JPO; DERWENT	OR	OFF	2009/06/26 10:55
S18	1	"20030134174"	US-PGPUB; USPAT	OR	OFF	2009/06/26 10:55
S19	1	"20020137453"	US-PGPUB; USPAT	OR	OFF	2009/06/26 10:56
S20	2	"20030180600"	US-PGPUB; USPAT	OR	OFF	2009/06/26 10:56
S21	18	"6361892"	US-PGPUB; USPAT	OR	OFF	2009/06/26 10:57
S22	1	"6361892".pn.	US-PGPUB; USPAT	OR	OFF	2009/06/26 10:57

S23	2	"20040043270"	US-PGPUB; USPAT	OR	OFF	2009/06/26 11:00
S24	3	"6521368"	US-PGPUB; USPAT	OR	OFF	2009/06/26 11:09
S25	1	"6521368".pn.	US-PGPUB; USPAT	OR	OFF	2009/06/26 11:09
S26	59	(gas near3 discharge) with diameter with (upstream or downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:00
S27	15	(gas near3 discharge) with ((larger or smaller or different) near4 diameter) with (upstream or downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:03
S28	45	sprinkler and ((larger or smaller or different) near4 diameter) with (upstream or downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:06
S29	37	(pressure near2 drop) with ((larger or smaller or different) near4 diameter) with (upstream or downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:09
S30	0	(pressure near2 drop) with (gradually adj increased adj diameter)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:21
S31	1	(pressure near2 drop) with (increased adj diameter) near8 (downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:21
S32	0	(pressure near2 drop) with (gradually near2 larger near2 diameter)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:22
S33	0	(pressure near2 drop) with (increasingly near2 larger near2 diameter)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:22
S34	0	(pressure near2 drop) with (consecutively near2 larger near2 diameter)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:23
S35	0	(reduc\$4 near3 pressure near2 drop) with diamter	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:23

S36	432	(reduc\$4 near3 pressure near2 drop) with diameter	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:23
S37	41	(reduc\$4 near3 pressure near2 drop) with diameter with gas	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:23
S38	132	(air adj conditioner adj duct)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:25
S39	16	(air adj conditioner adj duct).ab.	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:25
S40	174	(increase near2 ((cross-sectional) or (cross near2 sectional)) near2 area) with ((down near2 stream) or downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:30
S41	6	(increase near2 ((cross-sectional) or (cross near2 sectional)) near2 area) with ((down near2 stream) or downstream) same (pressure near2 drop)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:30
S42	5	(increased near2 ((cross-sectional) or (cross near2 sectional)) near2 area) with ((down near2 stream) or downstream) same (pressure near2 drop)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:31
S43	0	(larger near2 sprinkler near2 heads) with (downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:34
S44	3	(larger near2 gas near2 discharge) with (downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:34
S45	76	(larger near3 discharge) with (downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:38
S46	13	(larger near3 discharge) with (downstream) with diameter	US-PGPUB; USPAT	OR	OFF	2009/06/26 12:38
S47	0	(larger near2 diamter near2 (holes or ports or nozzles) near2 downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 13:12

S48	2	(larger near2 diameter near2 (holes or ports or nozzles) near2 downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 13:12
S49	9	(larger near2 diameter near5 (holes or ports or nozzles) near2 downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 13:26
S50	9	(larger near2 diameter near5 (holes or ports or nozzles) near2 downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 13:43
S51	5	((increased near2 ((cross-sectional) or (cross near2 sectional) near2 area) with ((down near2 stream) or downstream) same (pressure near2 drop)	US-PGPUB; USPAT	OR	OFF	2009/06/26 13:46
S52	13	(larger near3 discharge) with (downstream) with diameter	US-PGPUB; USPAT	OR	OFF	2009/06/26 14:04
S53	33	(larger near2 (holes or ports or nozzles) near2 downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 14:07
S54	33	(larger near2 (holes or ports or nozzles) near2 downstream)	US-PGPUB; USPAT	OR	OFF	2009/06/26 14:07
S55	31	acetate with (electrolyte) and (429/306.ccls. or 429/188.ccls.)	USPAT	OR	OFF	2009/06/26 15:00
S56	37	\$10acetate with (electrolyte) and (429/306.ccls. or 429/188.ccls.)	USPAT	OR	OFF	2009/06/26 15:13
S57	61	\$10acetate with (electrolyte) and (429/306.ccls. or 429/188.ccls.)	US-PGPUB; USPAT	OR	OFF	2009/06/26 15:13
S58	24	(\$10acetate with (electrolyte)).ab. and "429".clas.	US-PGPUB; USPAT	OR	OFF	2009/06/26 15:17
S59	30	\$10acetate with (electrolyte) with \$10butyrate and "429". clas.	US-PGPUB; USPAT	OR	OFF	2009/06/26 15:28

S60	12	(429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (spiral with (flow near2 field))	US-PGPUB; USPAT	OR	ON	2009/06/26 15:58
S61	1	"20050142427".pn.	US-PGPUB; USPAT	OR	OFF	2009/06/26 16:17
S62	3	"6521368"	US-PGPUB; USPAT	OR	OFF	2009/06/26 16:17
S63	3	"6521368"	US-PGPUB; USPAT	OR	OFF	2009/06/26 16:21
S64	1	"6521368".pn.	US-PGPUB; USPAT	OR	OFF	2009/06/26 16:21
S65	1201	(429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (sofc or (solid near2 oxide near2 fuel near2 cell))	US-PGPUB; USPAT	OR	ON	2009/06/26 16:23
S66	111	(429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (sofc or (solid near2 oxide near2 fuel near2 cell)) and (spiral or zigzag)	US-PGPUB; USPAT	OR	ON	2009/06/26 16:23
S67	1201	(429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (sofc or (solid near2 oxide near2 fuel near2 cell))	US-PGPUB; USPAT	OR	ON	2009/06/26 16:40
S68	648	(429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (sofc or (solid near2 oxide near2 fuel near2 cell)) and (hole or port or nozzle)	US-PGPUB; USPAT	OR	ON	2009/06/26 16:41
S69	316	(429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (spiral or zigzag)	US-PGPUB; USPAT	OR	ON	2009/06/26 16:42
S70	205	(429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (spiral or zigzag) not (sofc or (solid near2 oxide near2 fuel near2 cell))	US-PGPUB; USPAT	OR	ON	2009/06/26 16:42
S71	64928	429/12-46.ccls. and spiral or zig\$4	US-PGPUB; USPAT	OR	OFF	2009/06/29 16:03
S72	728	429/12-46.ccls. and (spiral or zig\$4)	US-PGPUB; USPAT	OR	OFF	2009/06/29 16:03
S73	799	429/12-46.ccls. and (spiral\$2 or zig\$4)	US-PGPUB; USPAT	OR	OFF	2009/06/29 16:04

S74	161	h01m008\$.ipc. and (spiral or zig\$4)	EPO; JPO	OR	OFF	2009/06/29 16:48
S75	222	h01m8\$.ipcr. and (spiral or zig\$4)	DERWENT	OR	OFF	2009/06/29 17:01
S76	1	"2003109625"	DERWENT	OR	OFF	2009/06/29 17:17
S77	1	"07226207"	DERWENT	OR	OFF	2009/06/29 17:18
S78	2670	((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.)	EPO; JPO; DERWENT	OR	ON	2009/06/29 17:26
S79	178	((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) and (h01m8\$.ipcr. or h01m008\$.ipc.)	EPO; JPO; DERWENT	OR	ON	2009/06/29 17:27
S80	0	((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) and (h01m8\$.ipcr. or h01m008\$.ipc.) and (aluminum with (diffusion or coating))	EPO; JPO; DERWENT	OR	ON	2009/06/29 17:40
S81	1	429/12-46.ccls. and (aluminum near2 diffusion near2 coating)	US-PGPUB; USPAT	OR	OFF	2009/06/29 17:41

S82	22	429/12-46.ccls. and (aluminum near2 coating with corrosion)	US-PGPUB; USPAT	OR	OFF	2009/06/29 17:43
S83	2	429/12-46.ccls. and (iron or chromium or nickel) near5 separator same (silver near2 coat \$3)	US-PGPUB; USPAT	OR	OFF	2009/06/29 17:46
S84	3	429/12-46.ccls. and (radially near2 branch \$2)	US-PGPUB; USPAT	OR	OFF	2009/06/29 18:10
S85	759	429/12-46.ccls. and (radial)	US-PGPUB; USPAT	OR	OFF	2009/06/29 18:23
S86	299	429/12-46.ccls. and (radial) and (sofc or (solid near2 oxide))	US-PGPUB; USPAT	OR	OFF	2009/06/29 18:23
S87	6	"6670069"	US-PGPUB; USPAT	OR	OFF	2009/06/29 18:35
S88	1	"6670069".pn.	US-PGPUB; USPAT	OR	OFF	2009/06/29 18:35
S89	1	"2002203588"	JPO	OR	OFF	2009/06/30 09:28
S90	1	"59075575"	JPO	OR	OFF	2009/06/30 09:29
S91	1	"2002305005"	JPO	OR	OFF	2009/06/30 09:30
S92	3	"03075384"	EPO; JPO; DERWENT	OR	OFF	2009/06/30 09:36
S93	4	"2003075384"	EPO; JPO; DERWENT	OR	OFF	2009/06/30 09:38
S94	4070	429/34.ccls.	US-PGPUB; USPAT	OR	OFF	2009/06/30 09:52
S95	2419	429/38.ccls.	US-PGPUB; USPAT	OR	OFF	2009/06/30 09:56
S96	1	"20040043270".pn.	US-PGPUB; USPAT	OR	OFF	2009/06/30 10:02
S97	1	"6179816".pn.	US-PGPUB; USPAT	OR	OFF	2009/06/30 10:02
S98	6	"6670069"	US-PGPUB; USPAT	OR	OFF	2009/06/30 10:08
S99	1	"6670069".pn.	US-PGPUB; USPAT	OR	OFF	2009/06/30 10:08
S100	1	"20010028974"	US-PGPUB; USPAT	OR	OFF	2009/06/30 10:09
S101	1	"2002203588"	JPO	OR	OFF	2010/03/04 11:38

S102	0	"5975575"	JPO	OR	OFF	2010/03/04 11:39
S103	0	"59-75575"	JPO	OR	OFF	2010/03/04 11:39
S104	1	"59075575"	JPO	OR	OFF	2010/03/04 11:39
S105	1	"2002305005"	JPO	OR	OFF	2010/03/04 11:40
S106	38	((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) and 429/12-46.ccls.	US-PGPUB; USPAT	OR	ON	2010/03/04 11:43
S107	1	(multiple near2 gas near2 discharge near2 ports).clm. and 429/12-46.ccls.	US-PGPUB; USPAT	OR	ON	2010/03/04 12:28

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	(discharge near2 ports).clm. and (spiral or zigzag or radially). clm. and 429/12-46.ccls.	USPAT; UPAD	OR	OFF	2010/03/04 12:32
L3	0	(multiple near2 gas near2 discharge near2 ports).clm. and 429/12-46.ccls.	USPAT; UPAD	OR	ON	2010/03/04 12:32

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